

WHAT IS CLAIMED IS:

1. An active heat sink, comprising:
a base;
5 a first set of fins extending from the base;
a second set of fins extending from the base;
a fan positioned between the first and second set of fins such that, when the fan is operational, air is forced across the length of the fins in a transverse direction.
- 10 2. The active heat sink of claim 1, wherein the base and fins of the heat sink are made of a metal.
3. The active heat sink of claim 1, wherein the surfaces of the fins are perpendicular to the bottom surface of the base.
- 15 4. The active heat sink of claim 1, wherein the surfaces of the fins are parallel to the bottom surface of the base.
5. The active heat sink of claim 1, wherein a separate fan guard element is not
20 positioned between the blades of the fan and fins of the active heat sink.

6. An information handling system, comprising:

a processor;

memory;

an active heat sink, wherein the active heat sink includes,

a first set of fins extending from the base;

a second set of fins extending from the base; and

a fan positioned between the first and second set of fins such that,
when the fan is operational, air is forced across the length of the fins in a transverse direction.

7. The information handling system of claim 6, wherein the base and the fins of the heat sink are made of a metal.

8. The information handling system of claim 6, wherein the surfaces of the fins are perpendicular to the bottom surface of the base.

9. The information handling system of claim 6, wherein the surfaces of the fins are parallel to the bottom surface of the base.

10. The information handling system of claim 6, wherein a separate fan guard element is not positioned between the blades of the fan and fins of the active heat sink.

11. A computer system, comprising:
a processor;
a memory;
an active heat sink, wherein the active heat sink includes,
5 a first set of fins extending from the base;
a second set of fins extending from the base; and
a fan positioned between the first and second set of fins such that,
when the fan is operational, air is forced across the length of the fins in a transverse direction.
- 10 12. The computer system of claim 11, wherein the fins of the active heat sink are made
of a metal.
13. The computer system of claim 11, wherein the fins of the active heat sink extend from
a base of the active heat sink.
- 15 14. The computer system of claim 11, wherein the surfaces of the fins are perpendicular
to a bottom surface of the base.
15. The computer system of claim 11,
20 wherein the fins of the active heat sink are made of a metal; and
wherein the fins of the active heat sink extend from a base of the active heat sink.
16. The computer system of claim 11,
wherein the fins of the active heat sink are made of a metal;
25 wherein the fins of the active heat sink extend in a perpendicular direction from the
a base of the active heat sink.

17. The computer system of claim 11, wherein a separate fan guard element is not positioned between the blades of the fan and fins of the active heat sink.

18. A method for cooling the interior a computer system, comprising the step of:
activating an active heat sink that is placed in proximity to a source of heat in the
computer system, the active heat sink comprising a fan positioned between first and second sets of
fins such that the fan forces air across the length of the fins in a transverse direction.

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19. The method for cooling the interior a computer system of claim 18, wherein the
surfaces of the fins extend from a base of the active heat sink and are perpendicular to a bottom
surface of the active heat sink.

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20. The method for cooling the interior of a computer system of claim 18, wherein a
separate fan guard element is not positioned between the blades of the fan and fins of the active heat
sink.